

Flood Control Project Maintenance
2015 Structure Summary Report
Overall Unit and Item Ratings

Turlock Irrigation District Gomes Lake

Gomes Lake Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance**Unit Cover Sheet****2015 Pumping Plant Inspection Results****Turlock Irrigation District Gomes Lake**

Pumping Plant
Gomes Lake Pumping Plant

Pumping Plant Rating	A
Date of Inspection	07/23/2015
DWR Inspector	Pavel Kazi
Accompanied By	Tim Payne TID

**Flood Control Project Maintenance
Levee Inspections**

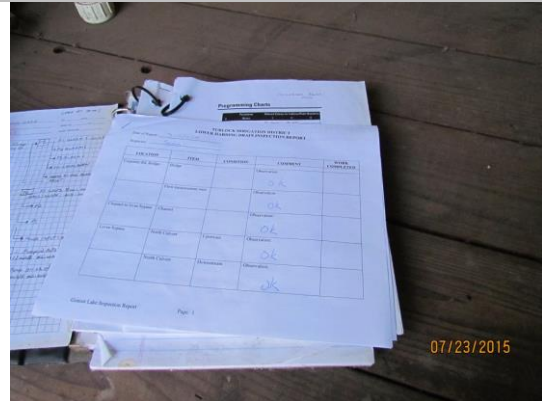
Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_1				
Action/Comments					
Inspector Comments: An operation log was present at the plant and the log was up to date.					

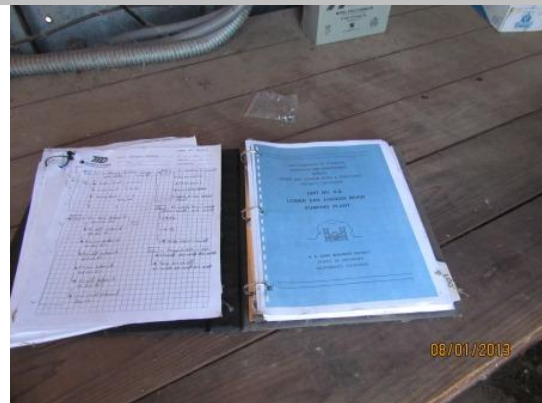
Photo 1 of 1 : ST_2015_NA0065_15_1_20150811_00021.jpg



View of the operating log.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_2				
Action/Comments					
Inspector Comments: The O&M manual was present at the plant.					

Photo 1 of 1 : ST_2015_NA0065_15_2_20150710_00002.jpg



View of the O&M manual inside the plant.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_3				
Action/Comments					
Inspector Comments: The plant building appeared to be in good structural condition with no major visible concrete damage.					

Photo 1 of 1 : ST_2015_NA0065_15_3_20150811_00022.jpg



View of the pumping plant.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_4				
Action/Comments					
Inspector Comments: District personnel carries cell phones.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_5				
Action/Comments					
Inspector Comments: No significant safety hazard was observed at the plant during inspection. The lights were in working condition along with guard rails around the structure.					

Photo 1 of 1 : ST_2015_NA0065_15_5_20150811_00023.jpg



View of the guard rails around the pumping plant.

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Cranes			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_6				
Action/Comments					
Inspector Comments: No crane was present at this plant.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_7				
Action/Comments					
Inspector Comments: All pumps were properly maintained and lubricated and they were periodically tested before the high water season.					

Photo 1 of 3 : ST_2015_NA0065_15_7_20150811_00024.jpg



View of one of the pumps.

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 3 : ST_2015_NA0065_15_7_20150811_00025.jpg



View of another pump.

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2015_NA0065_15_7_20150811_00026.jpg



View of bottom of a pump.

* Location		** Rating		+ Issue Type	
LS : Land Side		A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_8				
Action/Comments					
Inspector Comments: The power source for this plant was delivered by the power grid rather than a generator and it appeared to be adequate and reliable.					

Photo 1 of 1 : ST_2015_NA0065_15_8_20150811_00027.jpg



View of the power source at the plant.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_10				
Action/Comments					
Inspector Comments: All of the pumps were operational and properly maintained.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_11				
Action/Comments					
Inspector Comments: The pump control system was operational and appeared to be free of any damage or corrosion.					

Photo 1 of 1 : ST_2015_NA0065_15_11_20150811_00029.jpg



View of the pump control boxes.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t _ 2012_12				
Action/Comments					
Inspector Comments: The wet well was clear of excessive debris and other obstructions.					

Photo 1 of 1 : ST_2015_NA0065_15_12_20150811_00030.jpg



View of the wet well.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_13				
Action/Comments					
Inspector Comments: The trash racks were free of debris and appeared to be maintained properly.					

Photo 1 of 1 : ST_2015_NA0065_15_13_20150811_00031.jpg



View of the trash racks.

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_14				
Action/Comments					
Inspector Comments: No trash rakes were present at this plant.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_15				
Action/Comments					
Inspector Comments: The slide gates were free of any debris and appeared to be in good working condition.					

Photo 1 of 1 : ST_2015_NA0065_15_15_20150811_00032.jpg



View of the slide gate on the outlet structure.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2013_16				
Action/Comments					
Inspector Comments: The electric gate operators were in good working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appeared to be operational and capable of opening and closing the gate properly.					

Photo 1 of 1 : ST_2015_NA0065_15_17_20150811_00033.jpg



View of the manual gates.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations	GPS Latitude/Longitude			
		Start	End		
Item	Other Metallic Items	37.481567 °		37.481567 °	
		-121.046617 °		-121.046617 °	
DWR ID	DWR_NA0065_15_t_2012_18				
Action/Comments					
Inspector Comments: All the other metal parts in the plant appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_19				
Action/Comments					
Inspector Comments: The flap gates appeared to be in good working condition and capable of performing as intended.					

Photo 1 of 1 : ST_2015_NA0065_15_19_20150811_00034.jpg



View of the flap gates.

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure exists at this plant.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2015

Turlock Irrigation District Gomes Lake

Structure	Structure Length	Inspection Start/End	Inspector
Gomes Lake Pumping Plant		07/23/2015 07/23/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_21				
Action/Comments					
Inspector Comments: The security fencing appeared to be in good condition and should provide protection against unauthorized access.					

Photo 1 of 1 : ST_2015_NA0065_15_21_20150811_00035.jpg



View of the steel cage around the pumps on the structure.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			37.481567 °	37.481567 °
				-121.046617 °	-121.046617 °
DWR ID	DWR_NA0065_15_t_2012_22				
Action/Comments					
Inspector Comments: The intake and discharge pipes appeared to be free of any breaks, holes or cracks.					

Photo 1 of 1 : ST_2015_NA0065_15_22_20150811_00036.jpg



View of the intake pipes.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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